

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: David A. Orbitz et al. Examiner: Usmaan Saeed
Application No.: 10/808,987 Group Art Unit: 2166
Filed: March 24, 2004 Docket No.: 40062.91USC1
Title: RELIABLY REPLICATING DATA USING A MANIFEST FILE

Proposed Amendment for Entry as an Examiner Amendment

Dear Examiner Saeed:

In response to our interview of December 3, 3009, please amend the above-identified application as follows to put the case into allowance:

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks/Arguments begin on page 8 of this paper.

Amendments to the Claims:

1. (Previously Presented) A computer-implemented method of replicating data using a manifest file, comprising:

creating a manifest file at a resource supplying computer device, the manifest file including an identifier of each of a plurality of resources of a resource group that exists at the resource supplying computer device, wherein the manifest file mandates that each of the plurality of resources of the resource group complete a transmission between the resource supplying computer device and a resource receiving computer device and exist on the resource receiving computer device before granting access to any of the plurality of resources of the resource group on the resource receiving computer device;

generating a change order on the resource supplying computer device, wherein the change order includes an indicator that the change order is associated with the manifest file;

transmitting the change order from the resource supplying computer device to the resource receiving computer device;

on the resource receiving computer device, identifying, from the indicator, that the change order is associated with the manifest file;

causing the manifest file to be reproduced at the resource receiving computer device;

in response to the manifest file being reproduced at the resource receiving computer device, beginning a replication operation, wherein the replication operation includes a transfer duration during which each of the plurality of resources of the resource group are being transmitted between the resource supplying computer device and the resource receiving computer device; and

during the transfer duration:

identifying whether each resource identified in the manifest file has completed transmission and exists at the resource receiving computer device by comparing each resource of the resource group identified in the manifest file to a database that identifies resources of the resource receiving computer device;

when each resource of the resource group identified in the manifest file has not completed transmission and does not exist at the resource receiving computer device, preventing access to all resources of the group identified in the manifest file regardless of whether any resources of the group have completed transmission and exist on the resource receiving computer device; and

only when each resource of the resource group identified in the manifest file has completed transmission and does exist at the resource receiving computer device, updating the system registry to include all the resources of the resource group.

2. (Cancelled)

3. (Previously presented) The computer-implemented method of claim 1, wherein the identifier of each resource of the resource group includes a version identifier associated with the resource.

4. (Previously presented) The computer-implemented method of claim 3, wherein identifying whether each resource of the resource group has completed transmission and exists at the resource receiving computer device includes comparing the version identifier of the resource with another version identifier associated with another copy of the resource stored at the resource receiving computer device.

5.-17. (Cancelled)

18. (Currently amended) A computer-readable storage medium having computer-executable instructions that facilitates a replication of data using a manifest file, comprising:

receiving a change order on a resource receiving computer device second member, wherein the change order includes an indicator that the change order is associated with a manifest file, wherein the manifest file includes an identifier of each of a plurality of resources of a resource group that exists at a resource supplying computer device first member, wherein the manifest file mandates that each of the plurality of resources of the resource group complete a transmission between the resource supplying computer device first member and a resource receiving computer device second member and exist on the resource receiving computer device second member before granting access to any of the plurality of resources of the resource group;

identifying, from the indicator, that the change order is associated with the manifest file;

causing the manifest file to be reproduced at the resource receiving computer device second member;

in response to the manifest file being reproduced at the resource receiving computer device second member, beginning a replication operation, wherein the replication operation includes a transfer duration during which each of the plurality of resources of the resource group

are being transmitted between the resource supplying computer device first member and the resource receiving computer device second member; and

during the transfer duration:

identifying whether each resource identified in the manifest file has completed transmission and exists at the resource receiving computer device second member by comparing each resource of the resource group identified in the manifest file to a database that identifies resources of the resource receiving computer device second member;

when each resource of the resource group identified in the manifest file has not completed transmission and does not exist at the resource receiving computer device second member, preventing access to all resources of the group identified in the manifest file regardless of whether any resources of the group have completed transmission and exist on the resource receiving computer device second member; and

when each resource of the resource group identified in the manifest file has completed transmission and does exist at the resource receiving computer device second member, providing access to all the resources of the resource group.

19. (Previously presented) The computer-readable storage medium of claim 18, wherein the manifest file further comprises a globally-unique identifier for each resource of the resource group.

20. (Previously presented) The computer-readable storage medium of claim 18, wherein the manifest file further comprises a version identifier for each resource of the resource group.

21. (Previously presented) The computer-readable storage medium of claim 18, wherein the manifest file includes an expiration identifier that identifies an amount of time for replicating each resource of the resource group.

22.-24. (Cancelled)

25. (Currently amended) A computer system that facilitates the replication of data using a manifest file, comprising:

a processor; and

a memory having computer-executable instructions configured to:

receive a change order on a resource receiving computer device second member, wherein the change order includes an indicator that the change order is associated with a manifest file, wherein the manifest file includes an identifier of each of a plurality of resources of a resource group that exists at a resource supplying computer device first member, wherein the manifest file mandates that each of the plurality of resources of the resource group complete a transmission between the resource supplying computer device first member and a resource receiving computer device second member and exist on the resource receiving computer device second member before granting access to any of the plurality of resources of the resource group;

identify, from the indicator, that the change order is associated with the manifest file;

cause the manifest file to be reproduced at the resource receiving computer device second member;

in response to the manifest file being reproduced at the resource receiving computer device second member, begin a replication operation, wherein the replication operation includes a transfer duration during which each of the plurality of resources of the resource group are being transmitted between the resource supplying computer device first member and the resource receiving computer device second member; and

during the transfer duration:

identify whether each resource identified in the manifest file has completed transmission and exists at the resource receiving computer device second member by comparing each resource of the resource group identified in the manifest file to a database that identifies resources of the resource receiving computer device second member;

when each resource of the resource group identified in the manifest file has not completed transmission and does not exist at the resource receiving computer device second member, prevent access to all resources of the group identified in the manifest file regardless of whether any resources of the group have completed transmission and exist on the resource receiving computer device second member; and

when each resource of the resource group identified in the manifest file has completed transmission and does exist at the resource receiving computer device second member, provide access to all the resources of the resource group.

26. (Cancelled)

27. (Currently amended) The system of claim 25, wherein the resource receiving computer device second member is configured to replicate the manifest file by fetching the manifest file.

28. (Currently amended) The system of claim 25, wherein the resource receiving computer device second member is further configured to mark the change order as handled and store the change order in an outbound log.

29. (Currently amended) The system of claim 25, wherein the resource receiving computer device second member is further configured to disseminate the change order to another computer device a third member.

30. (Previously presented) The system of claim 25, wherein the manifest file includes an execution order.

31. (Previously presented) The system of claim 25, wherein the manifest file includes a security token.

32. (Currently amended) The computer-implemented method of claim 1, wherein the manifest file further includes an option identifier, wherein the option identifier causes an application associated with the resource group to launch only if resource version levels of the resource group on the resource receiving computer device second member match resource version levels of the resource group indicated in the manifest file.

33. (Currently amended) The computer-implemented method of claim 1, wherein the manifest file further includes an option identifier, wherein the option identifier causes an

application associated with the resource group to launch if version levels of the resource group on the resource receiving computer device second member are greater than resource version level of the resource group indicated in the manifest file.

34. (Currently amended) The computer-readable storage medium of claim 18, wherein the manifest file further includes an option identifier, wherein the option identifier causes an application associated with the resource group to launch only if resource version levels of the resource group on the resource receiving computer device second member match resource version levels of the resource group indicated in the manifest file.

35. (Currently amended) The computer-readable storage medium of claim 18, wherein the manifest file further includes an option identifier, wherein the option identifier causes an application associated with the resource group to launch if version levels of the resource group on the resource receiving computer device second member are greater than resource version level of the resource group indicated in the manifest file.

36. (Currently amended) The system of claim 25, wherein the manifest file further includes an option identifier, wherein the option identifier causes an application associated with the resource group to launch only if resource version levels of the resource group on the resource receiving computer device second member match resource version levels of the resource group indicated in the manifest file.

37. (Currently amended) The system of claim 25, wherein the manifest file further includes an option identifier, wherein the option identifier causes an application associated with the resource group to launch if version levels of the resource group on the resource receiving computer device second member are greater than resource version level of the resource group indicated in the manifest file.

REMARKS/ARGUMENTS

Applicants thank Examiner Saeed for the interview dated December 3, 2009. In light of the interview and the above changes, applicants believe that all of the claims are in condition for allowance. If you have any further questions please feel free to contact me.

Respectfully submitted,

MERCHANT & GOULD P.C.

RYAN T. GRACE